

**bs-55093R****[ Primary Antibody ]****HDAC1 Rabbit pAb****Bioss**  
**ANTIBODIES**

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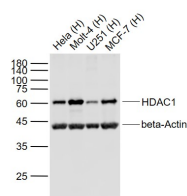
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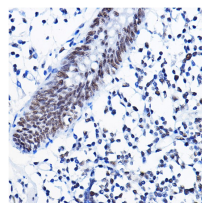
400-901-9800

**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 3065**SWISS:** Q13547**Target:** HDAC1**Immunogen:** Recombinant human HDAC1: 393-482/482.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

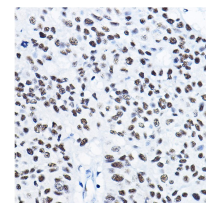
Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.

**Background:** Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. [provided by RefSeq, Jul 2008]**Applications:** **WB** (1:500-2000)**IHC-P** (1:100-200)**IHC-F** (1:100-200)**IF** (1:50-100)**ICC/IF** (1:100)**Reactivity:** Human, Mouse, Rat**Predicted**  
**MW.:** 55 kDa**Subcellular**  
**Location:** Nucleus**— VALIDATION IMAGES —**

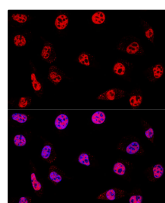
Sample: Lane 1: HeLa (Human) Cell Lysate at 30 ug  
 Lane 2: Molt-4 (Human) Cell Lysate at 30 ug  
 Lane 3: U251 (Human) Cell Lysate at 30 ug  
 Lane 4: MCF-7 (Human) Cell Lysate at 30 ug  
 Primary: Anti- HDAC1 (bs-55093R) at 1/1000 dilution  
 Anti-beta-Actin (bs-0061R) at 1/2000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 62 kD  
 Observed band size: 60 kD



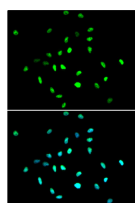
Paraformaldehyde-fixed, paraffin embedded (human colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HDAC1) Polyclonal Antibody, Unconjugated (bs-55093R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human lung cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HDAC1) Polyclonal Antibody, Unconjugated (bs-55093R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



L929 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking



A549 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (KO Validated)HDAC1 polyclonal Antibody, Unconjugated (bs-55093R) 1:200, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (KO Validated)HDAC1 polyclonal Antibody, Unconjugated (bs-55093R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.